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WATER SUPPLY OUTLOOK FOR IDAHO



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

AS OF
FEB. 1, 1975

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*Cover Photo: Cabins near Sacajawea Snow Course
in Bridger Mountains, Montana.*

SCS PHOTO 1--P480-15

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR IDAHO

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by

GUY W. NUTT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

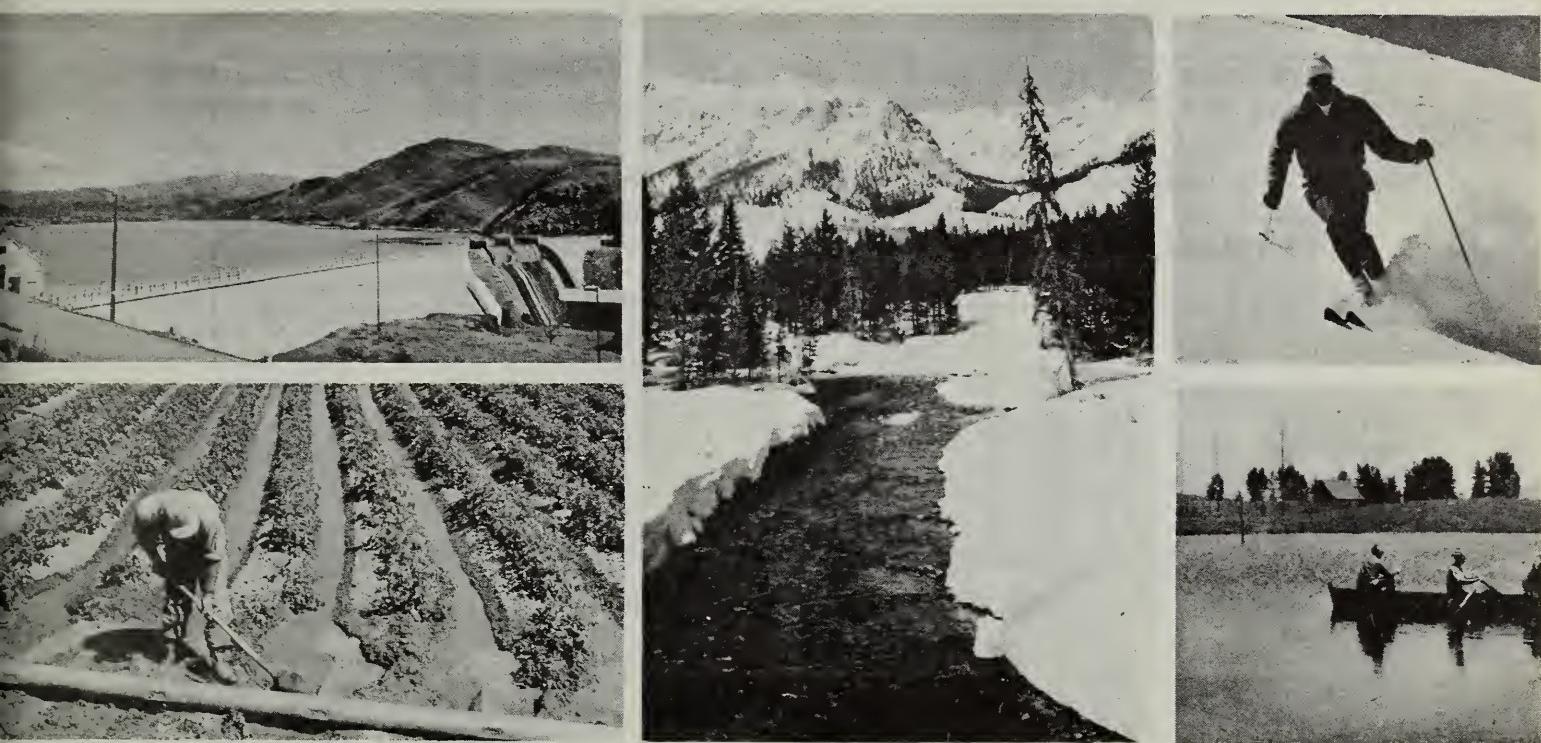
R. KEITH HIGGINSON
DIRECTOR
DEPARTMENT OF WATER ADMINISTRATION

Report prepared by

JACK A. WILSON, Snow Survey Supervisor
and
MARION O. CARSTENS, Statistical Assistant

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th. ST.
BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO



GENERAL SUMMARY FOR FEBRUARY 1, 1975

Storms during February were spotty and erratic, producing generally above normal snowfall on the Owyhee drainage, the Upper Snake River and tributary watersheds above American Falls Reservoir, the Bear River drainage and northern Idaho watersheds from the Payette River drainage north into Montana and British Columbia. Snow-water accumulation during the month was below normal on the Weiser, Boise, Wood and Lost Rivers north of the Snake River and the Bruneau and Salmon Falls Creek watersheds to the south. Snow-water equivalents range from 50% of average on the Little Wood watershed to 150% of normal on the Owyhee drainage.

Streamflow forecasts at selected stations for the April-September season vary from 57% of average for the Big Lost River near Mackay, Idaho to 120% of normal for Inflow to Owyhee Reservoir in eastern Oregon. The water outlook for irrigation is for sufficient supplies where adequate storage facilities are available. Shortages may be experienced on small streams with no storage in the southern part of the state. Supplies could be marginal on the Lost and Wood Rivers unless precipitation shows a marked improvement during the remainder of the winter.

Soil moisture in general is well below normal. Drought conditions from May to November in 1974 left the soil mantle extremely dry at the start of the winter season. Snow has accumulated on these dry soils and will lose potential runoff volumes to soil priming when the snow begins to melt in the spring.

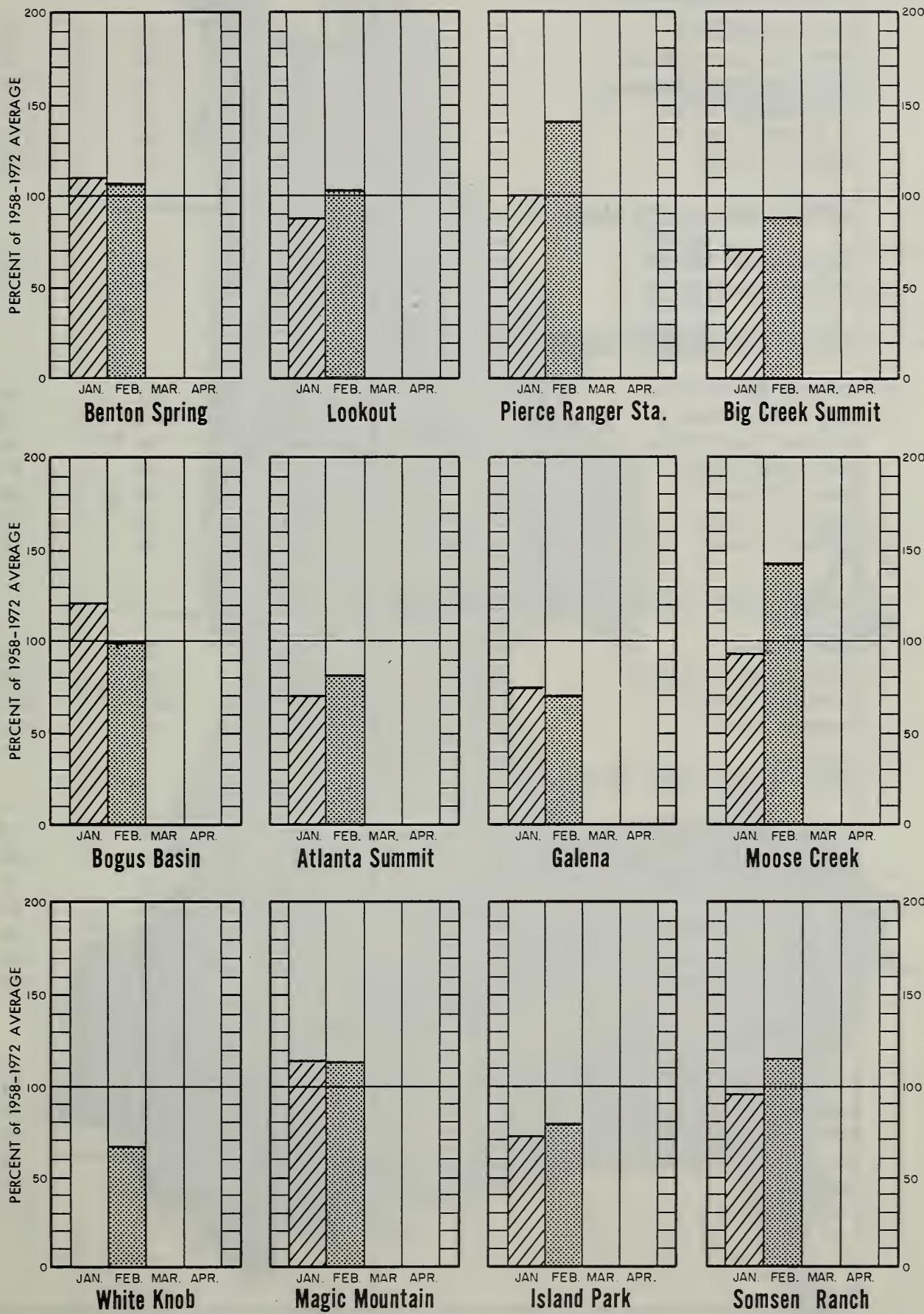
Carryover storage is good to excellent. Storage as of February 1 in total for fifteen selected irrigation reservoirs was 124% of average.

Valley precipitation for November 1974 through January 1975 was above normal on the Clearwater, Pend Oreille-Spokane, and Kootenai River watersheds and below average on all other drainages.

SNOW WATER DEPTHS ACCUMULATION

For Selected Snow Courses

As Compared To 1958-1972 15 Yr. Average

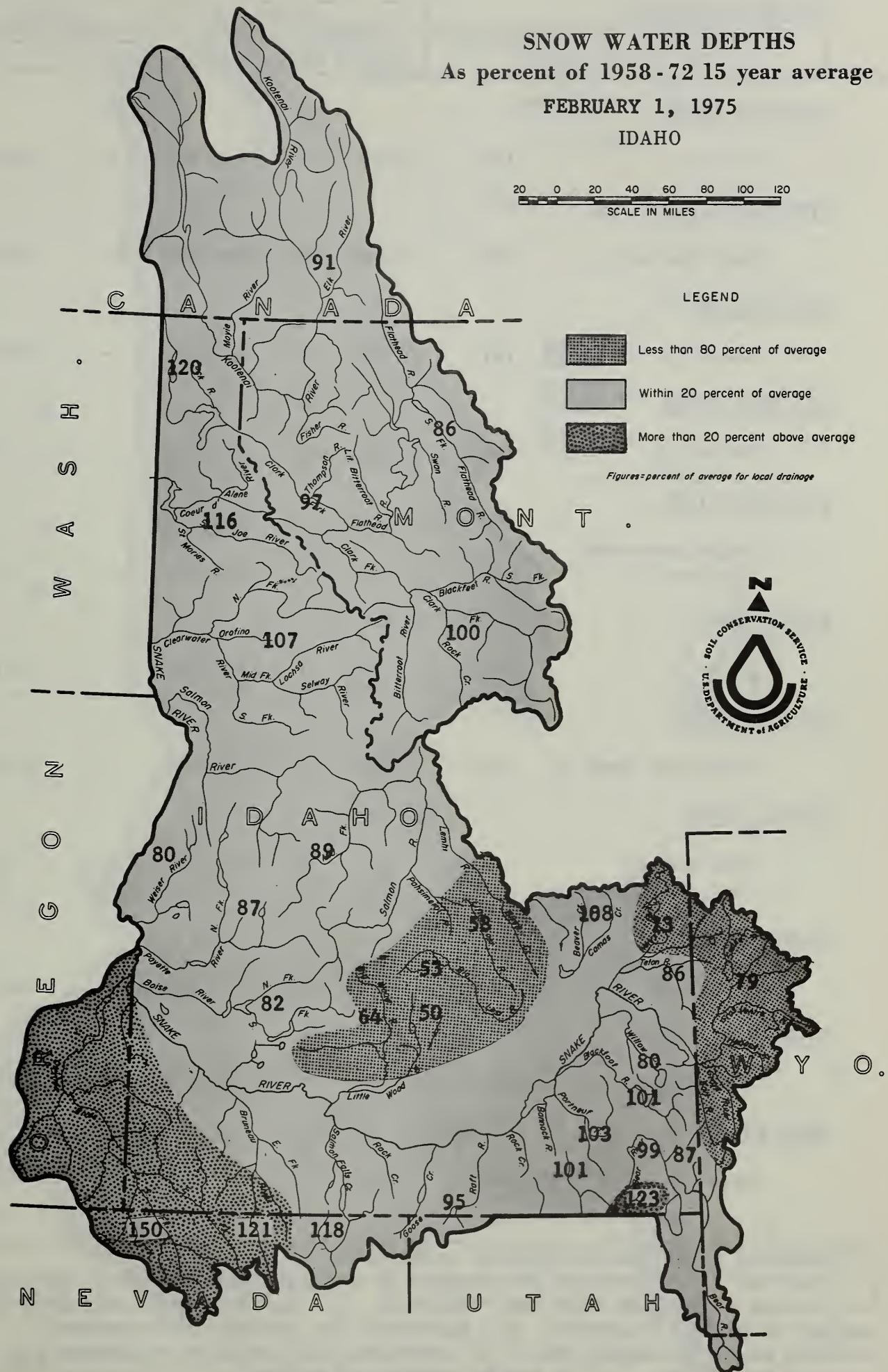


COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	1958-72 AVERAGE
<u>UPPER COLUMBIA RIVER BASIN</u>			
Kootenai River	9	75	91
Pend Oreille River	35	82	97
Clark Fork River	27	85	100
Flathead River	8	71	86
Priest River	4	84	120
Spokane River	3-4	94	116
<u>LOWER SNAKE RIVER BASIN</u>			
Clearwater River	6-13	83	107
Salmon River	12-13	59	89
<u>MIDDLE SNAKE RIVER BASIN - Northside</u>			
Little Lost River	5	61	58
Big Lost River	6	45	53
Little Wood River	3-4	39	50
Big Wood River	7	43	64
Boise River	9-10	59	82
Payette River	8-10	59	87
Weiser River	1	49	80
<u>MIDDLE SNAKE RIVER BASIN - Southside</u>			
Raft River	1	58	95
Salmon Falls Creek	8	94	118
Bruneau River	4	104	121
Owyhee River	5	90	150
<u>UPPER SNAKE RIVER BASIN</u>			
Snake Basin - Wyoming	22	67	79
Camas-Beaver Creeks	2	109	108
Henrys Fork River	9-11	59	73
Teton River	2-10	65	86
Willow-Sand Creeks	6	62	80
Blackfoot River	3	93	101
Portneuf River	4	82	103
<u>GREAT BASIN</u>			
Bear River-Upper	6	83	91
Bear River-Lower	19	80	97
Montpelier Creek	4-6	87	87
Mink Creek	7	78	99
Cub River	2	81	123
Malad River	4-6	85	101

SNOW WATER DEPTHS
As percent of 1958-72 15 year average
FEBRUARY 1, 1975
IDAHO

20 0 20 40 60 80 100 120
 SCALE IN MILES



STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
KOOTENAI RIVER					
Leonia	(at)	8400	93	Apr-Sep	--
SPOKANE RIVER					
Post Falls 1/	(at)	3100	103	Apr-Sep	--
SNAKE RIVER					
Heise 2/	(nr)	3050	77	Apr-Sep	--
BIG LOST RIVER					
Mackay 3/	(nr)	105	57	Apr-Sep	--
BIG WOOD RIVER					
Magic Reservoir Inflow		180	60	Apr-Sep	--
BOISE RIVER					
Boise 4/	(nr)	1150	71	Apr-Sep	--
PAYETTE RIVER					
Horseshoe Bend 5/	(nr)	1500	81	Apr-Sep	--
OWYHEE RIVER					
Lake Owyhee net inflow 6/		585 400	115 120	Feb-Jul Apr-Sep	804 408
SALMON RIVER					
Whitebird	(at)	6070	87	Apr-Sep	--
CLEARWATER RIVER					
Spalding	(at)	8250	97	Apr-Sep	--
BEAR RIVER					
Harer	(at)	245	90	Apr-Sep	--
271					

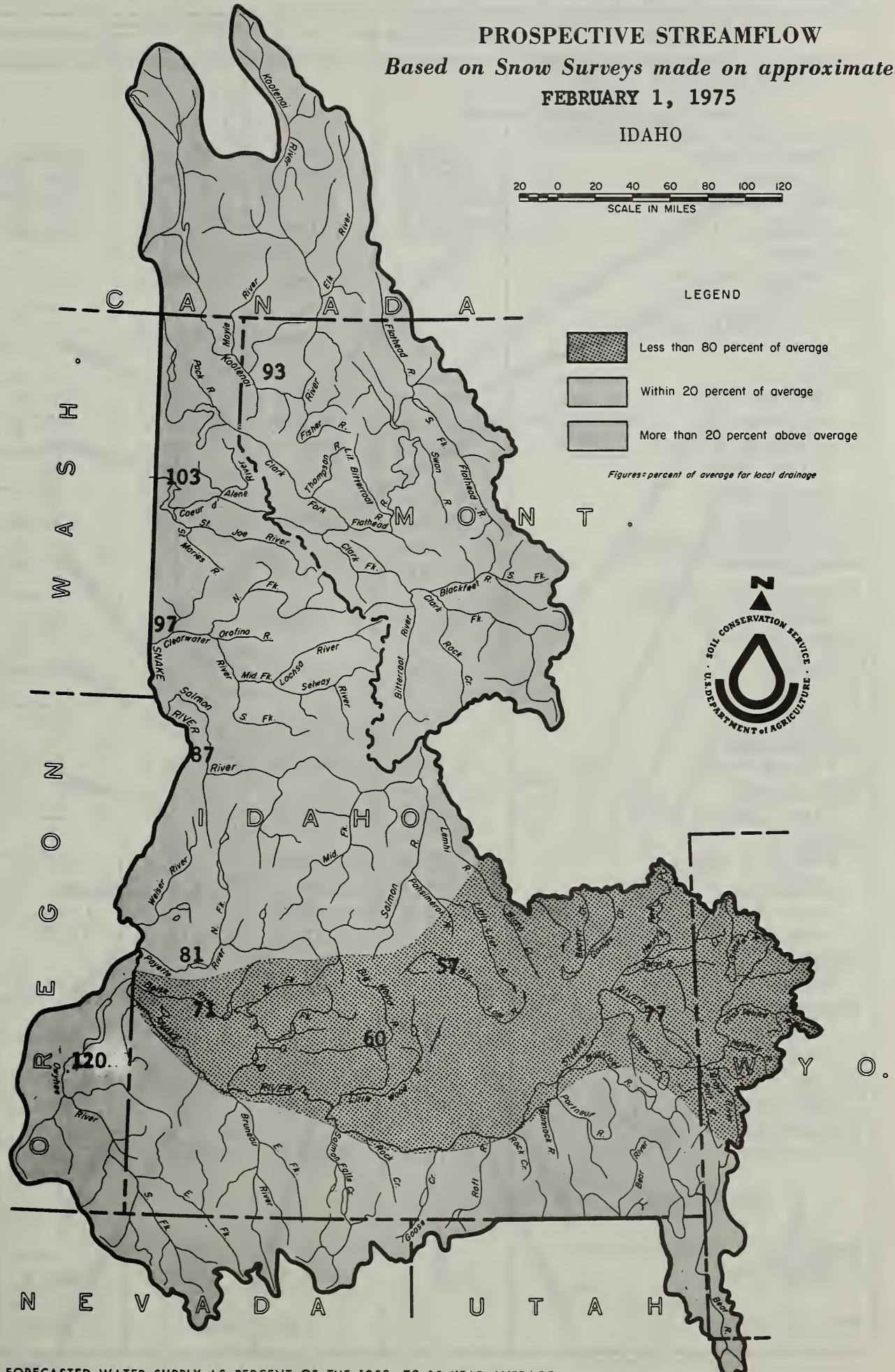
(c) Assuming normal meteorological conditions.

1/ Observed flow corrected for storage in Coeur d'Alene Lake. 2/ Corrected for storage in Jackson Lake and Palisades. 3/ Observed flow corrected for storage in Mackay Reservoir. 4/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 5/ Corrected for storage in Cascade and Deadwood Reservoirs. 6/ U.S.B.R. records of inflow.

PROSPECTIVE STREAMFLOW
Based on Snow Surveys made on approximately
FEBRUARY 1, 1975

IDAHO

20 0 20 40 60 80 100 120
SCALE IN MILES



RESERVOIR STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1958-72 AVERAGE
<u>UPPER COLUMBIA BASIN</u>				
<u>Clark Fork - Pend Oreille</u>				
Hungry Horse	3428.0	1990.0	2508.0	2484.0
Flathead	1791.0	1085.0	1396.0	1246.0
Pend Oreille	1155.1	255.9	840.5	438.2
Noxon	334.6	313.1	305.6	320.8
<u>Spokane</u>				
Coeur d'Alene	225.1	64.0	386.0	138.4
<u>SNAKE BASIN</u>				
<u>Snake</u>				
Jackson Lake	847.0	611.9	644.3	540.9
Palisades	1200.0	967.9	959.2	782.1
American Falls	1125.0	1009.3	1038.3	623.6
Island Park	127.0	104.0	104.2	99.9
Grassy Lake	15.2	10.8	10.5	10.0
Brownlee	980.2	739.4	735.5	636.1*
<u>Goose-Trapper Creeks</u>				
Oakley	74.4	37.3	41.9	15.7
<u>Salmon Falls Creek</u>				
Salmon Falls	182.6	60.4	74.1	29.2
<u>Big Lost</u>				
Mackay	44.2	25.7	24.8	29.9
<u>Big Wood</u>				
Magic	191.5	106.5	52.8	92.8
<u>Little Wood</u>				
Little Wood	30.0	13.6	13.6	13.5
<u>Fish Creek</u>				
Carey Valley	14.4	4.7	4.7	--
<u>Boise</u>				
Anderson Ranch	423.2	279.4	212.4	257.1
Arrowrock	286.6	278.4	278.7	240.4
Lucky Peak	278.2	49.6	82.5	92.7
Lake Lowell (Deer Flat)	169.0	112.7	113.7	114.0
<u>Owyhee</u>				
Owyhee	715.0	432.7	509.8	407.7
<u>Payette</u>				
Cascade	653.2	362.8	421.7	342.1
Deadwood	161.9	82.9	32.0	73.8
<u>Weiser</u>				
Mann Creek	11.1	3.2	8.3	--
<u>Clearwater</u>				
Dworschak	2016.0	1048.9	1202.4	--
<u>GREAT BASIN</u>				
<u>Bear</u>				
Bear Lake	1421.0	1069.5	1096.6	944.9

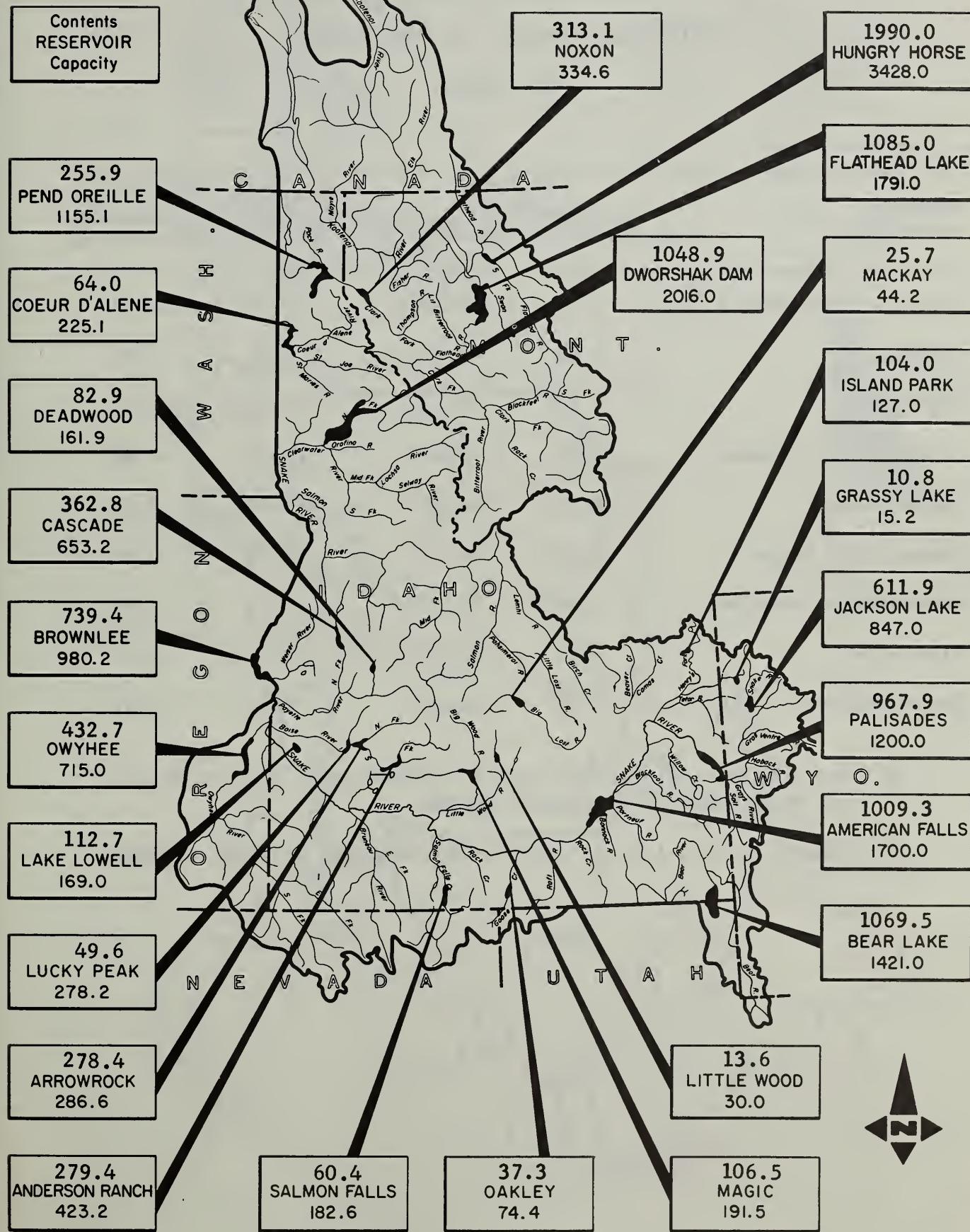
*Period of Record.

RESERVOIR STORAGE⁹

USABLE CONTENTS (1,000 Acre Feet)

FEBRUARY 1, 1975

50 0 50 100 150
SCALE IN MILES



VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Winter January 1975		Fall - Winter Nov. 74 - Jan. 75	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U. S.	3.78	+0.09	12.63	+2.38
Flathead	1.78	-1.16	5.42	-2.31
Clark Fork	1.93	+0.53	3.07	-0.38
Pend Oreille-Spokane	5.43	+0.64	14.53	+1.60
Upper Snake	2.35	-0.28	5.40	-1.34
Snake River Plain	0.75	-0.39	2.71	-0.67
Salmon-Payette-Boise	2.56	-0.82	6.49	-1.96
Clearwater	6.12	+2.26	11.45	+1.13
Owyhee-Malheur	0.98	-0.44	2.92	-0.97

1/ Preliminary analysis and data by the National Weather Service and Meteorological Service of Canada.

2/ Departure from 15-year (1958-1972) drainage division average.

C A N A D A

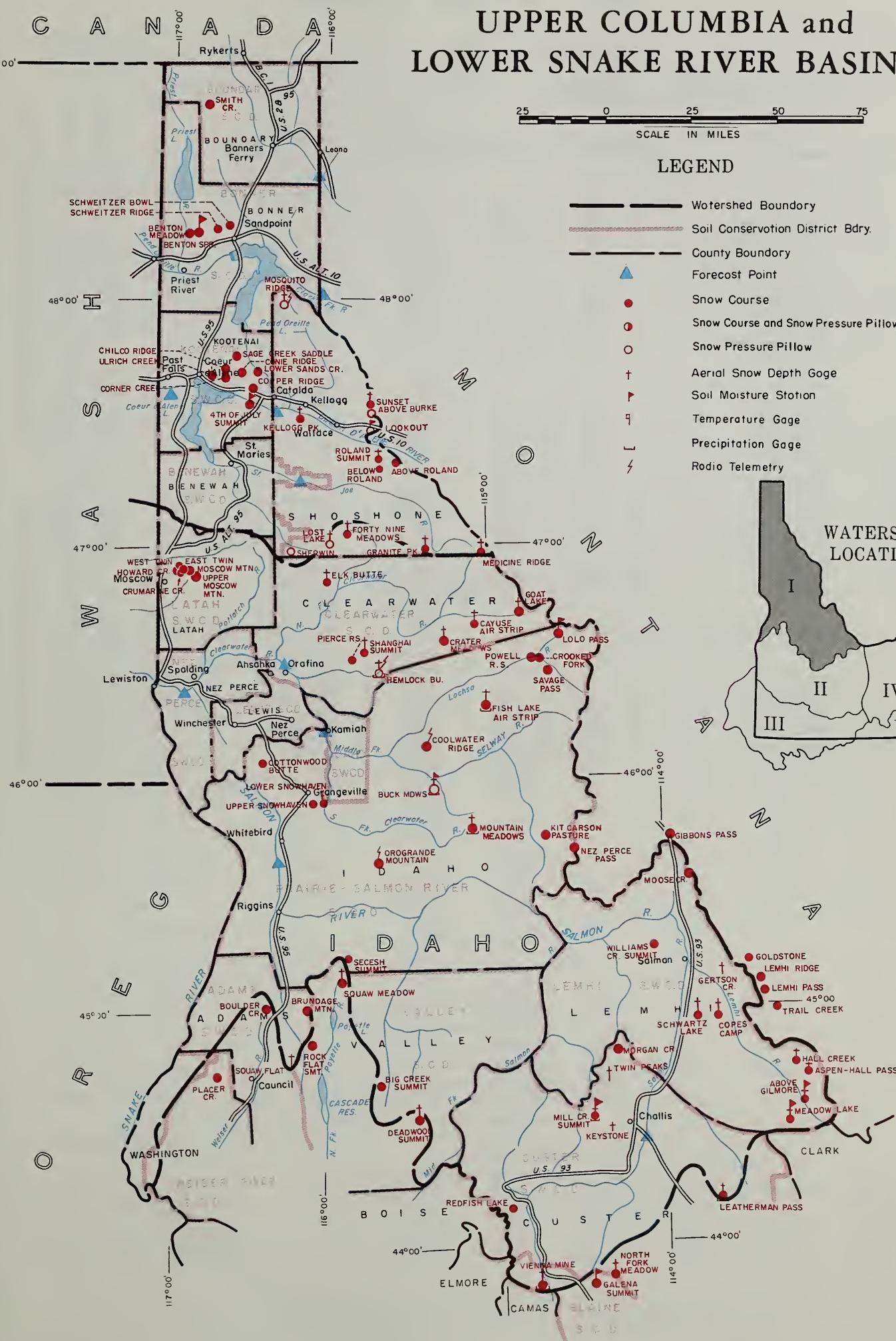
UPPER COLUMBIA and LOWER SNAKE RIVER BASINS

25 0 25 50 75
SCALE IN MILES

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- † Aerial Snow Depth Gage
- Soil Moisture Station
- ‡ Temperature Gage
- Precipitation Gage
- Radio Telemetry

WATERSHED LOCATIONS



INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. OR LAT.	TWP. AND LONG.	RGE.	ELEV.	NO.	STATE	NAME	SEC. OR LAT.	TWP. AND LONG.	RGE.	ELEV.	
UPPER COLUMBIA BASIN														
KOOTENAI RIVER														
16A1	I	Smith Creek	29	64N	3W	4800	15D5MAP	I	Buck Meadows	26	31N	8E	5600	
16A2	I	Benton Meadow	27	58N	4W	2344	15C3A	I	Cayuse Airstrip	4	38N	11E	3700	
16A3	I	Benton Spring	30	58N	3W	4900	15C7S	I	Coolwater Mountain	32	33N	8E	6200	
16A6	I	Schweitzer Bowl	20	58N	2W	4500	16C16	I	Cottonwood Butte	33	32N	1W	5140	
16A5	I	Schweitzer Ridge	19	58N	2W	6100	15C9A	I	Crater Meadows	2	37N	9E	6100	
HAYDEN CREEK														
16B8	I	Chilco Ridge	15	52N	2W	3650	14C10	I	Crooked Fork	27	37N	14E	3800	
16B7	I	Conie Ridge	22	52N	2W	3900	16C15A	I	Elk Butte	6	40N	3E	5550	
16B9	I	Corner Creek	22	52N	2W	3150	15C2AP	I	Fish Lake Airstrip	35	35N	11E	5000	
16B6	I	Sage Creek Saddle	10	52N	2W	4100	15B3A	I	Forty-nine Meadows	6	43N	5E	5000	
16B10	I	Ulrich Creek	28	52N	2W	2800	14C9A	I	Goat Lake	4	38N	13E	6600	
SPOKANE RIVER														
15B8S	I	Above Burke	11	48N	5E	4100	15C6APR	I	Hemlock Butte	7	36N	7E	5500	
15B7	I	Above Roland	35	47N	6E	4350	15C8S	M	Hoodoo Basin	17	14N	27W	6000	
15B6	I	Below Roland	34	47N	6E	3770	15C1	M	Hoodoo Creek	16	14N	27W	5900	
16B2	I	Copper Ridge	6 & 7	50N	1W	4800	14D3	I	Kit Carson Pasture	4	27N	16E	5020	
16B3M	I	Fourth of July Summit	6	49N	1W	3100	14C5M	I	Lolo Pass	16	38N	15E	5230	
15B13A	I	Granite Peak	3	42N	8E	6000	15B14AS	I	Lost Lake	16	43N	4E	6000	
16B5A	I	Kellogg Peak	19	48N	3E	5560	16D7	I	Lower Snowhaven	9	29N	3E	5300	
15B2MS	I	Lookout	4	47N	6E	5250	15D6AP	I	Mountain Meadows	9	27N	10E	6300	
16B1	I	Lower Sands Creek	32	51N	1W	3400	14D1	M	Nez Perce Pass	25	1S	24W	6575	
15B4A	I	Medicine Ridge	24	43N	10E	6150	15D4S	I	Orogrande Mountain	24	27N	6E	7800	
16A4AS	I	Mosquito Ridge	5	54N	2E	5110	15C5	I	Pierce Ranger Station	2	36N	5E	3170	
15B5A	I	Roland Summit	26	47N	6E	5200	14C4	I	Powell Ranger Station	33	37N	14E	4230	
16C1S	I	Sherwin	28 & 33	42N	1E	3200	15C4A	I	Savage Pass	18	36N	15E	6600	
15B9A	I	Sunset	28	49N	5E	5600	16D4	I	Shanghai Summit	7	37N	6E	4600	
LOWER SNAKE BASIN														
PALOUSE RIVER														
16C6	I	Crumarine Creek	24	40N	5W	3340	13E19MA	I	Above Gilmore	13	13N	26E	8200	
16C3	I	East Twin	13	40N	5W	4050	13E21A	I	Aspen-Hall Pass	6	16N	28E	8110	
16C5	I	Howard Creek	14	40N	5W	3450	15E2	I	Big Creek Summit	24	15N	5E	6600	
16C2	I	Moscow Mountain	18	40N	4W	4400	16D6	I	Brundage Mountain	6	19N	3E	7560	
16C4P	I	West Twin	14	40N	5W	4250	13E17A	I	Copes Camp	36	18N	22E	7500	
CLEARWATER RIVER														
13E1	M	Gibbons Pass	4	2S	19W	7100	13D2	M	Gold Stone	11	8S	16W	8100	
13E2	M	Hall Creek	1	16N	27E	7560	13E20A	I	Hall Creek	1	16N	27E	7560	
13E24A	I	Leatherman Pass	20	9N	23E	9800	13E24A	I	Leatherman Pass	20	9N	23E	9800	
13E1	M	Lemhi Pass	9	10S	15W	7480	13E1	M	Lemhi Pass	9	10S	15W	7480	
13E23	M	Lemhi Ridge	4	10S	15W	8100	13E23	M	Lemhi Ridge	4	10S	15W	8100	
13E18MA	I	Meadow Lake	24	13N	26E	9100	13E18MA	I	Meadow Lake	24	13N	26E	9100	
14E1MAP	I	Mill Creek Summit	8	13N	17E	8870	14E1MAP	I	Mill Creek Summit	8	13N	17E	8870	
13D16	I	Moose Creek	22 & 26	27N	21E	6200	13D16	I	Moose Creek	22 & 26	27N	21E	6200	
14E4	I	Morgan Creek	32	18N	19E	7580	14E4	I	Morgan Creek	32	18N	19E	7580	
14E2	I	Redfish Lake	3	9N	13E	6600	14E2	I	Redfish Lake	3	9N	13E	6600	
13E16A	I	Schwartz Lake	34	18N	22E	8500	13E16A	I	Schwartz Lake	34	18N	22E	8500	
13E2	M	Trail Creek	15	10S	15W	7090	13E2	M	Trail Creek	15	10S	15W	7090	
14E3A	I	Twin Peaks	28	15N	17E	10300	14E3A	I	Twin Peaks	28	15N	17E	10300	
14F4AP	I	Vienna Mine	32	6N	14E	8900	14F4AP	I	Vienna Mine	32	6N	14E	8900	
14D4	I	Williams Creek Summit	34	21N	20E	7800	14D4	I	Williams Creek Summit	34	21N	20E	7800	

LEGEND

Numbering System (example)

- 10J7 SNOW COURSE ONLY.
- 10J7P SNOW COURSE AND PRECIPITATION GAGE.
- 10J7M SNOW COURSE AND SOIL MOISTURE STATION.
- 10J7A SNOW COURSE AND AERIAL MARKER.
- 10J7s PRESSURE PILLOW ONLY.
- 10J7S SNOW COURSE AND PRESSURE PILLOW.
- 10J7MA SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
- 10J7MP SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
- 10J7m SOIL MOISTURE STATION ONLY.
- 10J7a AERIAL MARKER ONLY.
- 10J7p STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average ^b
NAME	Elevation					

UPPER COLUMBIA RIVER BASINPEND OREILLE - PRIEST RIVER

Benton Meadow	2344	1/27	23	5.3	1.8	6.0
Benton Spring	4900	1/27	49	14.8	20.1	13.8
#Mosquito Ridge (SP)	5110	2/1	--	23.5	34.0	--
Schweitzer Bowl	4500	1/30	80	27.1	32.5	22.6*
Schweitzer Ridge	6100	1/30	123	43.2	53.5	32.1*

SPOKANE RIVER

Above Burke	4100	1/30	64	16.2	17.7	--
Fourth of July Summit	3100	1/30	45	9.8	7.3	6.8*
Lookout	5250	1/31	82	27.2	32.0	26.4
Mosquito Ridge (SP)	5110	2/1	--	23.5	34.0	--
Sherwin	3200	1/31	51	14.4	14.8	11.0*
Sherwin (SP)	3200	1/31	--	13.6	14.6	--

LOWER SNAKE RIVER BASINCLEARWATER RIVER

Cayuse Airstrip	3700	1/30	46	11.0	--	9.4*
Coolwater Mountain (SP)	6200	2/1	--	20.6	23.0	--
Cottonwood Butte	5140	1/29	42	10.7	11.5	--
Crater Meadows	6100	1/30	113	29.1	--	31.2*
Crooked Fork	3600	1/28	43	12.3	13.2	--
Fish Lake Airstrip	5000	1/30	98	27.4	40.3	28.0*
Hemlock Butte	5500	1/30	126	43.4	53.0	32.8*
Hemlock Butte (SP)	5500	2/1	--	38.8	--	--
#Hoodoo Basin Mont.	6000	1/28	108	34.6	46.0	37.9
#Hoodoo Creek Mont.	5900	1/28	103	31.3	41.9	35.5
Lolo Pass	5250	1/28	78	22.4	26.2	22.9*
Lower Snowhaven	5300	1/29	62	15.0	14.3	--
Orogrande Mountain (SP)	7800	2/1	--	35.7	40.2	--
Pierce Ranger Station	3170	1/31	42	11.9	10.8	8.4
Powell Ranger Station	3410	1/28	40	11.8	11.6	--
Savage Pass	6160	1/30	67	18.7	--	19.7*
Savage Pass (New)	6160	1/30	70	19.7	--	--
Shanghai Summit	4600	1/30	80	18.7	30.5	17.8*
Upper Snowhaven	5600	1/29	50	14.0	14.2	--

SALMON RIVER

Big Creek Summit	6600	2/1	74	22.0	37.6	24.9
#Boulder Creek	5500	1/30	50	14.2	29.2	17.9*
Brundage Mountain	7560	1/29	78	24.6	44.0	34.7*
#Deadwood Summit	7000	2/6	103	29.2	52.2	33.9*

(b) 1958-72, 15 year period. #Not located directly on this drainage. *Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent.
(R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	Last Year
NAME	Elevation					Average ^b
#Galena Summit	8795	1/28	56	14.1	26.5	16.7
#Gibbons Pass	Mont. 7100	1/30	72	17.6	19.7	16.0
Mill Creek Summit	8870	1/30	53	13.9	23.9	17.8*
Moose Creek	6200	2/3	60	16.9	15.2	11.8
Morgan Creek	7580	1/29	43	9.8	11.9	10.5*
#Rock Flat Summit	5200	1/29	38	11.1	16.6	12.8
#Secesh Summit	6440	1/31	71	22.6	48.0	--
#Squaw Meadow	5800	1/31	72	22.5	45.5	25.0*
Vienna Mine	8900	2/5	89	23.5	41.1	25.4*

(b) 1958-72, 15 year period. #Not located directly on this drainage. *Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

MIDDLE SNAKE RIVER BASIN NORTHSIDE

25 0 25 50 75
SCALE IN MILES



LEGEND

- — — Watershed Boundary
- — — Soil Conservation District Bdry.
- — — County Boundary
- ▲ Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- † Aeriel Snow Depth Goge
- Soil Moisture Station
- Temperature Goge
- Precipitation Goge
- ⚡ Radio Telemetry

INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. OR LAT.	TWP. AND LONG.	RGE.	ELEV.	NO.	STATE	NAME	SEC. OR LAT.	TWP. AND LONG.	RGE.	ELEV.						
MIDDLE SNAKE RIVER BASIN																			
		NORTHSIDE																	
		LITTLE LOST RIVER																	
13E5M	I	Fairview Guard Station	27	12N 26E	6750		15F4APS	I	Atlanta Summit	23	5N	10E	7500						
13E3	I	Lost-Garfield	3	11N 26E	6600		15F2M	I	Bad Bear	35	7N	6E	5500						
13E6	I	Moonshine	31	13N 26E	7450		16F4	I	Bogus Basin Road	32	5N	3E	5360						
13E4	I	Sawmill Canyon	17	12N 26E	6900		14F10A	I	Couch Summit	9	2N	14E	6950						
13E9A	I	Swauger Lake	26	9N 24E	9050		16F1	I	Deadman Gulch	29	7N	4E	5600						
13E7MAP	I	Wet Creek Summit	15	8N 25E	7600		15E9AP	I	Jackson Peak	7	8N	9E	7000						
BIG LOST RIVER																			
13F3	I	Bear Canyon	26	5N 21E	7920		15F1MP	I	Moores Creek Summit	19	7N	7E	6100						
13F2A	I	Copper Basin	24	6N 21E	7650		15F6P	I	Prairie	13	2N	7E	4900						
13F8A	I	Fishpole Lake	28	4N 22E	9350		15F3A	I	Road Creek	5	5N	8E	5550						
13F11	I	Iron Bog	23	4N 22E	7650		15F5APS	I	Trinity Mountain	6	3N	9E	7780						
13F12	I	Leadbelt	34	4N 23E	6800		BOISE RIVER												
14F3A	I	Lost Wood Divide	19	6N 19E	7900		15F7	I	Bennett Mountain	7	2S	9E	6650						
14F15A	I	North Fork Meadow	20	7N 18E	8150		15F12A	I	Little Camas Flat	21	1S	9E	4950						
14F2A	I	Stickney Mill	9	6N 19E	7500		CANYON CREEK												
13F1	I	White Knob	25	7N 23E	7700		PAYETTE RIVER												
BIG WOOD RIVER																			
15F9A	I	Camas Creeks Divide	11	2S 9E	5720		16F2MPS	I	Bogus Basin	16	5N	3E	6120						
14F8AP	I	Dollarhide Summit	16	3N 15E	8620		15E8PS	I	Cozy Cove	19	11N	7E	5900						
14F1M	I	Galena	3	6N 15E	7300		15E3	I	Crawford Ranger Station	21	14N	4E	4800						
14F12MP	I	Galena Summit	33	7N 15E	8795		15E10	I	Deadwood Airstrip	8	11N	7E	5440						
14F5	I	Graham Ranch	10	5N 17E	6200		15E7	I	Deadwood Dam	8	11N	7E	5290						
14F7	I	Mascot Mine	8	4N 20E	7900		15E4AS	I	Deadwood Summit	23	14N	7E	7000						
14F9	I	Mount Baldy	26	4N 17E	9000		16E4	I	High Valley Summit	9	10N	2E	5170						
14F11	I	Soldier Ranger Station	19	2N 14E	6100		15E1	I	Lake Fork	3	18N	4E	6000						
LITTLE WOOD RIVER																			
13F4M	I	Garfield Ranger Station	11	3N 21E	6554		16E1	I	Rock Flat Summit	1	18N	2E	5200						
13F5	I	Muldoon	25	3N 21E	6300		15D1	I	Secesh Summit	34	22N	4E	6440						
13F9A	I	Swede Peak	4	3N 21E	7500		15D2A	I	Squaw Meadow	5	21N	4E	5800						
FISH CREEK																			
13F10	I	Iron Mine Creek	32	3N 23E	6370		16E3	I	Tripod Summit	17	11N	3E	5200						
13F6	I	Telfer Ranch	12	2N 22E	6000		WEISER RIVER												
		MANN CREEK																	
							16D1P	I	Boulder Creek	15	20N	1W	5500						
							16E2	I	Placer Creek	15&16	17N	3W	6000						
							16E9	I	Mann Creek	20	15N	5W	6080						
							16E8	I	Sturgill Ridge	21	15N	5W	6800						
							17E1	I	Robinson Creek Ridge	2	14N	6W	6220						
							17E2	I	Thorson Cabin	12	14N	6W	5320						

LEGEND

Numbering System (example)

- 10J7 SNOW COURSE ONLY.
- 10J7P SNOW COURSE AND PRECIPITATION GAGE.
- 10J7M SNOW COURSE AND SOIL MOISTURE STATION.
- 10J7A SNOW COURSE AND AERIAL MARKER.
- 10J7s PRESSURE PILLOW ONLY.
- 10J7S SNOW COURSE AND PRESSURE PILLOW.
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- 10J7p STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	Last Year
NAME	Elevation					

MIDDLE SNAKE RIVER BASIN - NORTHSIDELITTLE LOST RIVER

Fairview Guard Station	6750	1/28	16	2.3	3.8	3.8
Lost Garfield	6600	1/28	17	2.7	3.0	3.2
Moonshine	7450	1/28	29	5.4	7.8	8.0
Sawmill Canyon	6900	1/28	24	4.1	4.3	6.4
Wet Creek Summit	7600	1/29	20	3.0	9.6	8.8*

BIG LOST RIVER

Bear Canyon	7920	1/27	25	5.5	19.3	--
Copper Basin	7650	1/27	11	2.2	7.9	7.3*
Dry Fork	7340	1/30	24	5.0	--	--
Fishpole Lake	9350	1/27	26	6.4	--	--
Iron Bog	7650	1/30	24	4.8	11.9	10.8*
Leadbelt	6800	1/30	17	3.0	4.1	7.6*
Lost-Wood Divide	7900	1/27	38	10.0	26.3	17.3*
Stickney Mill	7500	1/27	23	5.1	8.0	6.0*
White Knob	7700	1/31	21	4.5	7.9	6.7*

LITTLE WOOD RIVER

#Bear Canyon	7920	1/27	25	5.5	19.3	--
Garfield Ranger Station	6554	1/30	19	4.1	7.8	7.9*
Muldoon	6300	1/30	17	3.0	4.6	6.2*
Swede Peak	7650	1/30	28	5.6	15.3	11.5*

BIG WOOD RIVER

#Couch Summit	6950	1/29	31	7.9	--	13.8
Galena	7300	1/28	44	10.0	21.8	14.3
Galena Summit	8795	1/28	56	14.1	26.5	16.7
Graham Ranch	6200	1/28	26	6.0	13.4	10.0
#Lost-Wood Divide	7900	1/27	38	10.0	26.3	17.3*
Mascot Mine	7900	1/27	21	4.4	14.2	--
Mount Baldy	9000	1/30	38	9.0	21.3	14.6
Soldier Ranger Station	6100	1/29	17	4.6	12.4	9.9
#Vienna Mine	8900	2/5	89	23.5	41.1	25.4*

BOISE RIVER

Atlanta Summit	7500	2/5	79	20.5	39.4	24.9
Atlanta Summit (SP)	7500	2/5	--	19.6	--	--
Bad Bear	5500	1/29	29	9.3	14.2	10.8*
#Bogus Basin	6120	1/30	48	17.2	21.7	17.3
Bogus Basin Road	5360	1/30	20	6.8	7.8	5.9
Couch Summit	6950	1/29	31	7.9	--	13.8

(b) 1958-72, 15 year period. #Not located directly on this drainage. *Estimated 1958-72, 15 year average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	Last Year
NAME	Elevation					

Moores Creek Summit	6100	1/29	64	18.4	27.9	23.4
Prairie	4900	1/30	18	5.0	5.7	5.5
#Soldier Ranger Station	6100	1/29	17	4.6	12.4	9.9
Trinity Mountain	7780	2/5	87	24.7	48.7	30.3
Trinity Mountain (SP)	7780	2/5	--	24.4	--	--
Trinity Mountain (R)	7780	2/5	--	23.9	--	--
#Vienna Mine	8900	2/5	89	23.5	41.1	25.4*

PAYETTE RIVER

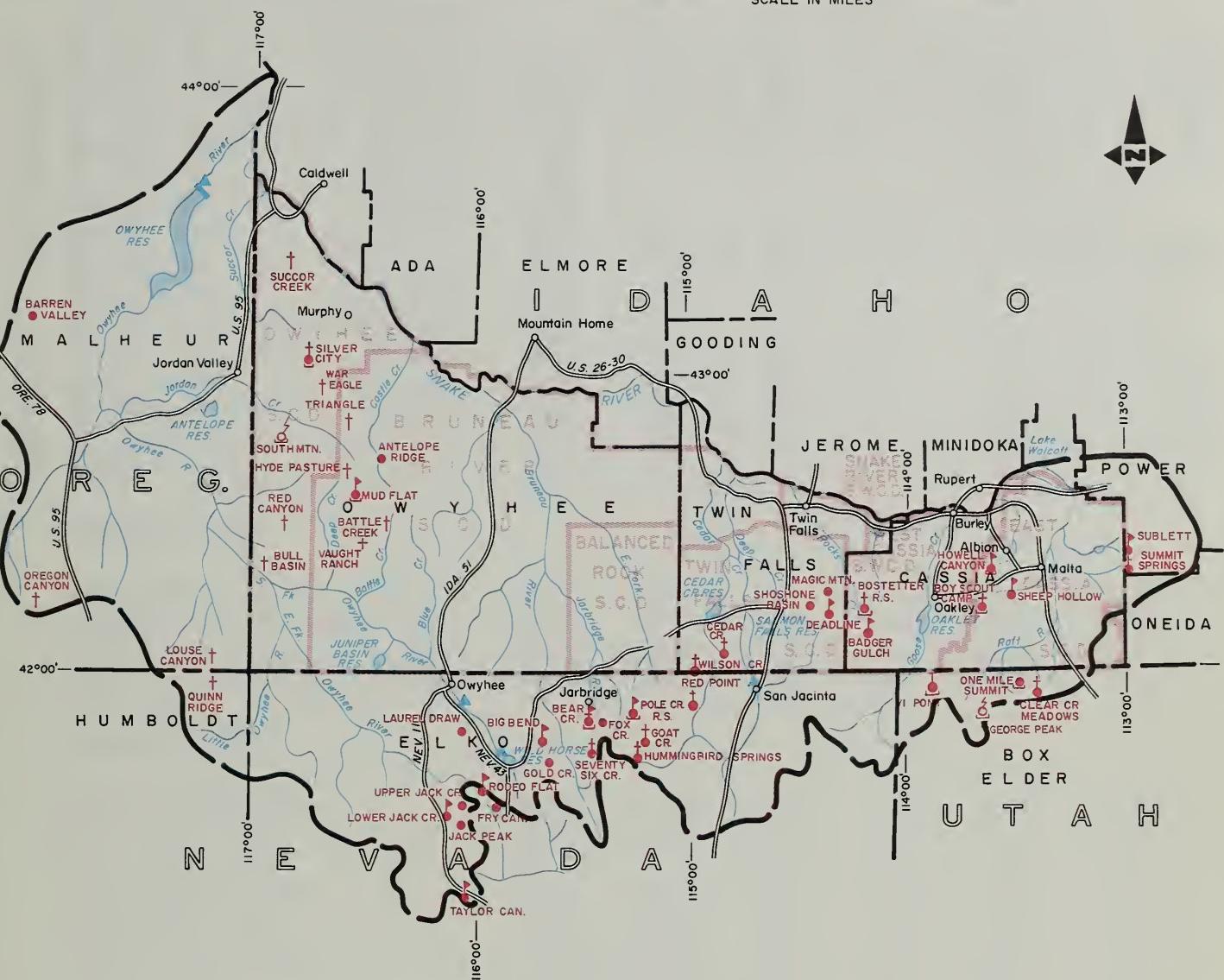
#Big Creek Summit	6600	2/1	74	22.0	37.6	24.9
Bogus Basin	6120	1/30	48	17.2	21.7	17.3
#Brundage Mountain	7560	1/29	78	24.6	44.0	34.7*
Cozy Cove (SP)	5900	2/6	--	7.2	--	--
Crawford Ranger Station	4800	2/1	23	6.4	8.0	6.8
Deadwood Airstrip	5440	2/6	45	11.9	13.8	11.6
Deadwood Summit	7000	2/6	103	29.2	52.2	33.9*
Deadwood Summit (SP)	7000	2/6	--	27.1	--	--
Lake Fork	6000	1/31	41	11.7	17.8	--
Rock Flat Summit	5200	1/29	38	11.1	16.6	12.8
Secesh Summit	6440	1/31	71	22.6	48.0	--
Squaw Meadow	5800	1/31	72	22.5	45.5	25.0*

WEISER RIVER

Boulder Creek	5500	1/30	50	14.2	29.2	17.9*
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MIDDLE SNAKE RIVER BASIN SOUTHSIDE

25 0 25 50 75
SCALE IN MILES



LEGEND

- — — Watershed Boundary
- — — Soil Conservation District Bdry
- — — County Boundary
- ▲ Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- † Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

WATERSHED LOCATIONS



INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. OR LAT.	TWP. AND	RGE. LONG.	ELEV.	NO.	STATE	NAME	SEC. OR LAT.	TWP. AND	RGE. LONG.	ELEV.							
MIDDLE SNAKE RIVER BASIN																				
SOUTHSIDE																				
RAFT RIVER																				
13G2A ^P	I	Boy Scout Camp	8	14S	24E	7600	13H2A	U	Clear Creek Meadows	26	14N	14W	9050							
13H4s ^P	U	George Peak	4	13N	14W	9000	13G1MP	I	Howell Canyon	2	13S	24E	8000							
13H1P	U	One Mile Summit	19	14N	14W	7330	13G5M	I	Sheep Hollow	4	14S	24E	6200							
12G8M	I	Sublett	8	12S	30E	6000	12G9A	I	Summit Springs	15	13S	30E	6400							
GOOSE - TRAPPER CREEK																				
14G3M	I	Badger Gulch	24	15S	19E	6660	14G1AP	I	Bostetter Ranger Station	35	14S	19E	7500							
13H3AP	U	Vi Pont	17	14N	17W	7670	SALMON FALLS CREEK													
14G5A	I	Cedar Creek	25	15S	13E	7000	14G4M	I	Deadline	25	14S	18E	6900							
15H13A	N	Goat Creek	31	46N	60E	8800	14G2	I	Magic Mountain	14	14S	18E	6700							
15H18A	N	Red Point	15	47N	61E	7940	14G6	I	Shoshone Basin	24	14S	17E	5740							
15G2A	I	Wilson Creek	24	16S	12E	7500	BRUNEAU RIVER													
15H1MAP	N	Bear Creek	31	46N	58E	7800	15H2	N	Fox Creek	33	46N	58E	6800							
15H15A	N	Hummingbird Springs	6	45N	60E	8950	15H14MP	N	Pole Creek Ranger Station	13	46N	59E	8330							
OWYHEE RIVER																				
16G6	I	Antelope Ridge	20	8S	1E	5900	18F5	O	Barren Valley	26	17S	38E	4200							
16G9a	I	Battle Creek	10	11S	1E	5700	16H4M	N	Big Bend	30	45N	56E	6700							
16G10a	I	Bull Basin	19	12S	5W	5600	15H7	N	Fry Canyon	31	43N	54E	6700							
15H5	N	Gold Creek	31	45N	56E	6600	16G5a	I	Hyde Pasture	SE $\frac{1}{2}$	31	8S	2W	5800						
16H4	N	Jacks Peak	28	42N	53E	8420	16H5	N	Laurel Draw	20	45N	53E	6700							
17G4a	O	Louse Canyon	27	40S	44E	6440	16H1M	N	Lower Jack Creek	18	42N	53E	6800							
16G7MP	I	Mud Flat	34	9S	2W	5500	17G5a	O	Oregon Canyon	9	40S	40E	6950							
17G6a	N	Quinn Ridge	9	47N	41E	6300	16G11ap	I	Red Canyon	32	11S	4W	6650							
15H6M	N	Rodeo Flat	36	43N	53E	6800	16F3AP	I	Silver City	6	5S	3W	6400							
16G1PS	I	South Mountain	35	7S	5W	6340	16F6a	I	Succor Creek	25	3S	5W	6100							
15H9M	N	Taylor Canyon	35	39N	53E	6200	16G4A	I	Triangle	N $\frac{1}{2}$ 35	7S	3W	5150							
16H2	N	Upper Jack Creek	9	42N	53E	7250	16G12a	I	Vaught Ranch	10	11S	1W	5950							
16G13a	I	War Eagle	20	5S	3W	7700														

LEGEND

Numbering System (example)

- 10J7 SNOW COURSE ONLY.
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SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average ^b

MIDDLE SNAKE RIVER BASIN - SOUTHSIDE

RAFT RIVER

Howell Canyon	8000	1/29	48	16.6	28.6	17.4
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SALMON FALLS CREEK

#Bear Creek (A)	Nev.	7800	2/5	45	14.2	15.0	13.0
Cedar Creek (A)		7000	2/5	28	8.5	8.6	6.4
Deadline		6900	1/29	49	15.7	22.0	15.6
Goat Creek	Nev.	8800	1/29	38	11.4	13.5	11.4
#Hummingbird Spgs. (A)	Nev.	8945	2/5	59	18.8	15.9	14.4
Magic Mountain		6700	1/29	44	13.9	16.9	12.3
#Pole Creek R. S.	Nev.	8330	1/29	49	16.3	15.0	12.3
Red Point (A)	Nev.	7940	2/5	13	3.9	3.7	--
Shoshone Basin		5740	1/30	24	6.8	5.6	3.8*
Wilson Creek (A)		7500	2/5	27	8.1	8.9	--

BRUNEAU RIVER

Bear Creek (A)	Nev.	7800	2/5	45	14.2	15.0	13.0
Hummingbird Springs (A)	Nev.	8945	2/5	59	18.8	15.9	14.4
Pole Creek R. S.	Nev.	8330	1/29	49	16.3	15.0	12.3
#Seventy-six Creek (A)	Nev.	7100	1/28	20	8.0	9.0	7.6

OWYHEE RIVER

Battle Creek (A)		5700	1/22	12	3.8	7.3	2.8*
#Bear Creek (A)	Nev.	7800	2/5	45	14.2	15.0	13.0
Bull Basin (A)		5600	1/22	12	3.8	3.3	1.0*
Hyde Pasture (A)		5800	1/22	12	3.8	9.9	4.2
Red Canyon (A)		6650	1/22	24	7.7	9.9	5.4*
#Seventy-six Creek (A)	Nev.	7100	1/28	20	8.0	9.0	7.6
Silver City (A)		6400	1/22	30	9.6	12.6	11.1*
Silver City		6400	2/6	40	13.0	12.6	11.1*
South Mountain		6340	2/6	31	10.1	14.1	9.0
Succor Creek (A)		6100	1/22	13	4.2	4.0	4.2*
Vaught Ranch (A)		5950	1/22	17	5.4	7.3	2.8*
War Eagle (A)		7700	1/22	46	14.7	19.8	17.7*

(b) 1958-72, 15 year period. #Not located directly on this drainage. *Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent.
(R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD		
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	Last Year	Average

UPPER SNAKE RIVER BASINCAMAS-BEAVER CREEKS

Camp Creek	6800	1/30	24	5.7	6.9	7.4
Kilgore	6200	2/3	38	7.9	8.3	7.9

HENRYS FORK RIVER

Big Springs	6500	1/30	42	10.5	18.2	14.4
Black Canyon	7850	1/27	68	18.0	28.5	24.3*
Black Moose	8130	1/27	68	20.7	35.7	25.4*
Grassy Lake	Wyo.	7230	1/31	74	21.8	23.2
Island Park		6315	1/30	41	9.2	13.3
Latham Springs		7650	1/27	62	17.0	28.0
Lucky Dog		6900	1/27	51	13.0	21.5
Sawtelle Mountain		8720	1/30	50	12.9	31.0
Targhee Pass		7000	1/30	33	6.9	8.7
Valley View		6500	1/30	33	7.7	10.2
White Elephant		7700	1/30	41	10.0	23.5

TETON RIVER

Darby Canyon	Wyo.	8250	1/27	52	13.1	19.3	--
Freds Mountain	Wyo.	8150	1/27	54	13.2	21.5	--
Garns Mountain		8300	1/27	67	19.6	31.2	--
Indian Meadows	Wyo.	8240	1/27	69	19.0	--	--
Jackpine Creek	Wyo.	7350	1/27	51	13.3	19.2	--
McRenolds Reservoir		6800	1/27	54	12.6	16.5	--
Miles Creek	Wyo.	7300	1/27	36	8.0	11.1	--
Phillips Bench	Wyo.	8200	1/30	57	16.7	27.1	--
Pine Creek Pass		6750	1/27	41	10.0	14.7	11.5*
State Line		6650	1/27	36	8.3	11.0	9.9
Teton Pass W.S.	Wyo.	8400	1/30	48	13.8	25.9	--

WILLOW CREEK

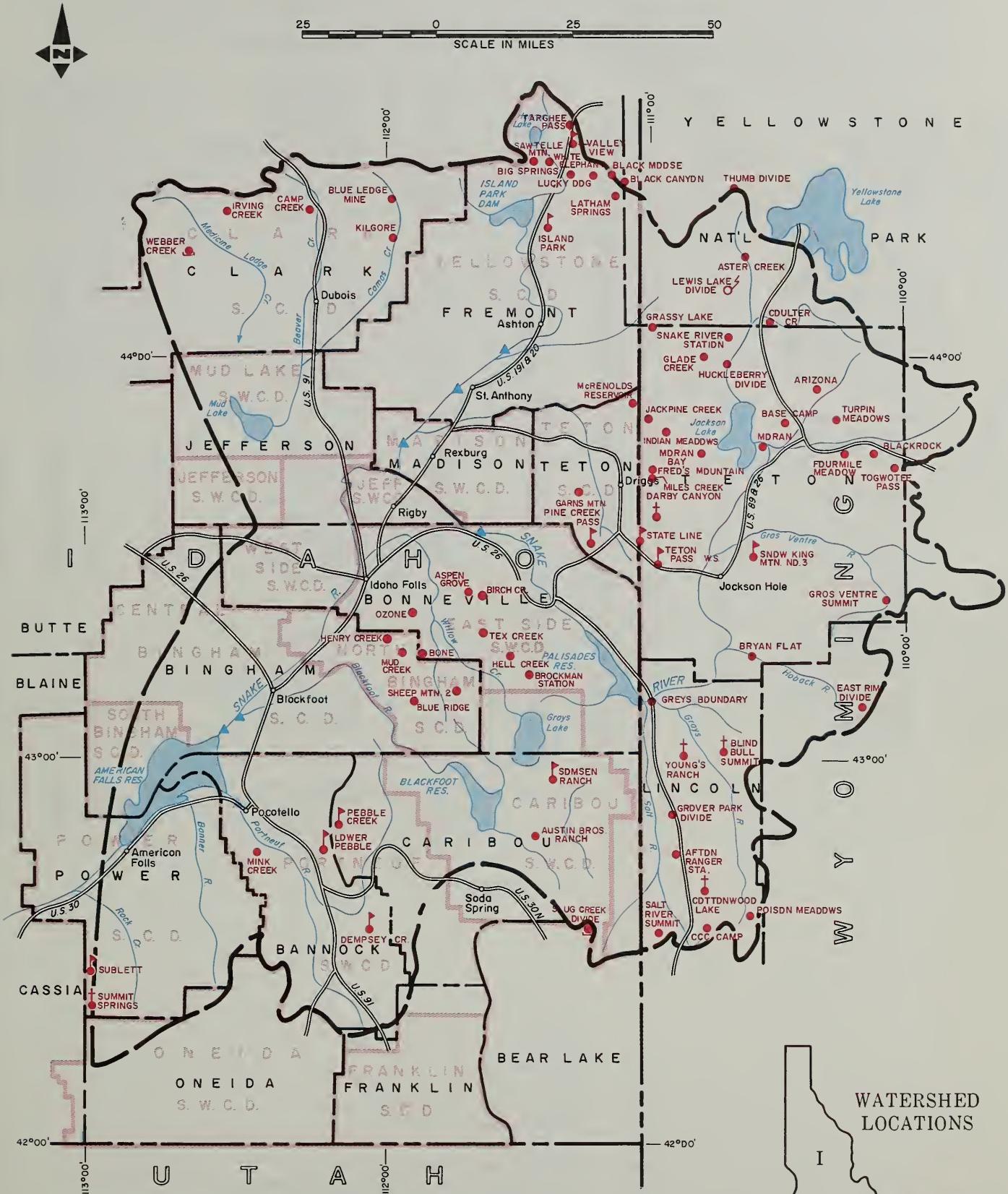
Aspen Grove		6600	1/29	32	8.2	11.5	8.1*
Birch Creek		6800	1/29	26	5.7	11.5	7.5*
Blue Ridge		6800	1/29	39	10.7	--	--
Bone		6200	1/29	14	3.4	6.6	6.2*
Brockman Station		6430	1/29	24	5.4	--	--
Hell Creek		7100	1/29	32	7.9	--	--
Mud Creek		7150	1/29	38	10.4	--	--
Sheep Mountain		6510	1/29	26	5.6	11.6	10.0*
Tex Creek		6550	1/29	28	5.6	7.8	6.2*

SAND CREEK

Henry Creek	5650	1/29	18	4.3	3.8	3.1*
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(b) 1958-72, 15 year period. #Not located directly on this drainage. *Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent.
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UPPER SNAKE RIVER BASIN



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
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- Temperature Gage
- Precipitation Gage
- ⚡ Radio Telemetry



INDEX to SNOW COURSES

NO.	STATE	NAME	SEC.	TWP. OR LAT.	RGE. AND	ELEV.	NO.	STATE	NAME	SEC.	TWP. OR LAT.	RGE. AND	ELEV.
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UPPER SNAKE RIVER BASIN

SNAKE RIVER - WYOMING

10G4	Wy	Afton Ranger Station	30	32N	118W	6200
10F1	Wy	Arizona	3	46N	115W	6850
10E8	Wy	Aster Creek	44° 17'		110° 38'	7700
10F2	Wy	Base Camp	20	46N	113W	6900
10F7	Wy	Blackrock	4	44N	111W	8600
10G2A	Wy	Blind Bull	6	34N	115W	8750
10F14	Wy	Bryan Flat	9	38N	115W	6250
10G7	Wy	CCC Camp	9	29N	118W	7500
10G5A	Wy	Cottonwood Lake	25	31N	118W	7500
10E10	Wy	Coulter Creek	44° 09'		110° 33'	7600
10F17MP	Wy	East Rim Divide #2	32	37N	111W	7950
10F6	Wy	Four Mile Meadows	35	45N	112W	7770
10E13	Wy	Glade Creek	12	48N	116W	7200
10F18	Wy	Greys Boundary	33	37N	118W	5800
10F19	Wy	Gros Ventre Summit	36	40N	111W	8750
10G3	Wy	Grover Park Divide	27	33N	118W	7500
10E14	Wy	Huckleberry Divide	32	48N	115W	7300
10E9PS	Wy	Lewis Lake Divide	44° 13'		110° 40'	7900
10F4MP	Wy	Moran	8 & 17	45N	114W	6800
10F3	Wy	Moran Bay	14	45N	116W	6800
10G6	Wy	Poison Meadows	29	30N	116W	8500
10G8P	Wy	Salt River Summit	32	29N	118W	7900
10E12MP	Wy	Snake River Station	9	48N	115W	6780
10F20M	Wy	Snow King Mountain #3	4	40N	117W	7600
10E7	Wy	Thumb Divide	44° 22'		110° 35'	7900
10F9MP	Wy	Togwotee Pass	29	44N	110W	9600
10F5	Wy	Turpin Meadows	14	45N	112W	6930
10G1A	Wy	Young's Ranch	26	34N	116W	6530

HENRYS FORK RIVER

11E9	I	Big Springs	34	14N	44E	6500
11E18	I	Black Canyon	11	13N	45E	7850
11E19	I	Black Moose	33	14N	45E	8125
10E15	Wy	Grassy Lake	6	48N	117W	7230
11E10M	I	Island Park	29	13N	43E	6315
11E16	I	Latham Springs	9	13N	45E	7650
11E14	I	Lucky Dog	2	13N	45E	6900
11E32	I	Sawtell Mountain	7	14N	43E	8720
11E34	I	Targhee Pass	32	16N	44E	7000
11E8M	I	Valley View	7	15N	44E	6500
11E36	I	White Elephant	17	14N	43E	7700

TETON RIVER

10F21A	Wy	Darby Canyon	28	43N	118W	8250
10F22	Wy	Freds Mountain	12	44N	118W	8150
11F13	I	Garns Mountain	20	4N	44E	8300
10F25	Wy	Indian Meadows	31	46N	117W	8240
10F26	Wy	Jackpine Creek	15	46N	118W	7350
11F12	I	McRenolds Reservoir	5	7N	46E	6800
10F27	Wy	Miles Creek	13	44N	118W	7300
11F2M	I	Pine Creek Pass	24	3N	44E	6750
11F1M	I	State Line	32	3N	46E	6650
10F13M	Wy	Teton Pass W. S.	24	41N	118W	8400

CAMAS - BEAVER CREEK

11E11	I	Blue Ledge Mine	27	13N	38E	6700
12E3	I	Camp Creek	21	13N	36E	6800
11E12	I	Kilgore	6	12N	39E	6200

MEDICINE LODGE CREEK

12E4	I	Irving Creek	20	13N	33E	7035
12E5	I	Webber Creek	23	12N	32E	6700

WILLOW CREEK

11F10	I	Aspen Grove	35	2N	41E	6600
11F3	I	Birch Creek	36	2N	41E	6800
11F17	I	Blue Ridge	35	2S	39E	6800
11F8	I	Bone	29	1S	40E	6200
11F16	I	Brockman Station	19	2S	43E	6430
11F15	I	Hell Creek	27	1S	42E	7100
11F14	I	Mud Creek	3	2S	39E	7150
11F4	I	Ozone	14	1N	39E	5800
11F11	I	Sheep Mountain	33	2S	41E	6510
11F5	I	Tex Creek	6	1S	42E	6700

SAND CREEK

11F6	I	Henry Creek	7	1S	39E	5650

BLACKFOOT RIVER

11G3	I	Austin Brothers Ranch	28	7S	43E	6450
11G5P	I	Slug Creek Divide	15	10S	44E	7225
11G1M	I	Somsen Ranch	25	5S	43E	7000

PORTNEUF RIVER

12G5	I	Dempsey Creek	17	10S	38E	6280
12G6M	I	Lower Pebble	7	8S	38E	5800
12G1	I	Mink Creek	33	7S	34E	6300
12G2M	I	Pebble Creek	34	7S	37E	6550

LEGEND

Numbering System (example)

- 10J7 SNOW COURSE ONLY.
- 10J7P SNOW COURSE AND PRECIPITATION GAGE.
- 10J7M SNOW COURSE AND SOIL MOISTURE STATION.
- 10J7A SNOW COURSE AND AERIAL MARKER.
- 10J7s PRESSURE PILLOW ONLY.
- 10J7S SNOW COURSE AND PRESSURE PILLOW.
- 10J7MA SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
- 10J7MP SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
- 10J7m SOIL MOISTURE STATION ONLY.
- 10J7a AERIAL MARKER ONLY.
- 10J7p STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	Last Year
NAME	Elevation					b

BLACKFOOT RIVER

Austin Bros. Ranch	6400	1/30	21	5.0	7.0	6.0
Slug Creek Divide	7230	1/27	40	11.6	10.7	11.5*
Somsen Ranch	7000	1/30	34	10.5	11.5	9.2

PORTNEUF RIVER

Dempsey Creek	6280	1/27	33	9.7	9.1	7.9
Lower Pebble	5800	1/27	22	6.7	10.8	9.3*
Mink Creek	6400	1/27	48	14.1	15.7	11.6*
Pebble Creek	6550	1/27	32	10.5	14.4	11.0

(b) 1958-72, 15 year period. *Not located directly on this drainage. *Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average ^b
NAME	Elevation					

GREAT BASINBEAR RIVER

Emigrant Summit	7350	1/29	50	16.5	21.6	17.0*
Emigration Canyon	6500	1/29	27	7.8	8.2	7.8*

Montpelier Creek

Giveout	6840	1/27	29	7.4	9.6	8.7*
Little Beaver	6970	1/27	35	9.8	10.8	10.9*
Lower Home Canyon	7500	1/27	37	9.2	11.2	--
Montpelier Creek	6570	1/27	20	4.8	6.7	6.0*
Upper Home Canyon	8500	1/27	54	15.3	16.6	--
Whiskey Flat	6985	1/27	17	4.8	6.5	6.9*

Mink Creek

Christensen Ranch	5600	1/28	24	6.7	8.7	5.9
Dry Basin	7900	1/28	56	18.1	24.0	20.9*
#Emigrant Summit	7350	1/29	50	16.5	21.6	17.0*
Horseshoe Basin	8000	1/28	48	16.7	20.8	17.3*
Liberty Spring	8600	1/28	69	23.7	30.6	22.6*
Strawberry Creek	5800	1/29	27	7.8	10.1	7.2
Strawberry Mink Divide	6800	1/28	45	14.7	17.9	14.4

Cub River

Cub River R. S.	5400	1/28	29	8.2	9.8	5.8
#Franklin Basin	8000	1/28	52	17.5	--	--
Willow Flat	6100	1/28	38	11.9	14.9	10.5

MALAD RIVER

Cliff Canyon	7200	1/27	22	6.8	7.0	--
Daniels Creek	6400	1/27	19	4.9	5.6	--
Dry Creek Flat	6480	1/27	23	6.9	9.0	5.3
Lower Elkhorn	7000	1/27	29	9.3	11.0	9.8*
Oxford Mountain	6800	1/27	25	6.9	8.2	6.9*
Upper Elkhorn	7100	1/27	37	11.2	13.5	12.0*

(b) 1958-72, 15 year period. #Not located directly on this drainage. *Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent.
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GREAT BASIN

25 0 25 50
SCALE IN MILES



INDEX to SNOW COURSES

NO.	STATE	NAME	SEC.	TWP. OR LAT.	RGE. AND	ELEV. LONG.
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GREAT BASIN

BEAR RIVER

10G11	Wy	Big Park	7	27N	117W	8700
11H13MP	U	Dry Bread Pond	19	8N	4E	8230
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6500
11H7P	U	Garden City Summit	35	14N	4E	7600
10J6P	U	Burt's-Miller Ranch	19	3N	10E	7900
10J7P	U	Hayden Fork	1	1S	9E	9300
10G12	Wy	Kelly Ranger Station	13	26N	118W	8200
11H12P	U	Monte Cristo R. S.	3	8N	4E	8960
10G10	Wy	Piney LaBarge	19	29N	114W	8820
10J17P	U	Stillwater Camp	32	2N	10E	8550
10J28P	U	Whitney G. S.	4	1N	9E	9300

MONTPELIER CREEK

11G16	I	Giveout	2	12S	45E	6840
11G20	I	Little Beaver	26	11S	45E	6970
11G27	I	Lower Home Canyon	17	12S	45E	7500
11G18	I	Montpelier Creek	22	12S	45E	6570
11G26	I	Upper Home Canyon	31	11S	45E	8500
11G21	I	Whiskey Flat	26	11S	45E	6985

MINK CREEK

11G11	I	Christensen Ranch	27	13S	41E	5600
11G14A	I	Dry Basin	30	13S	42E	7900
11G6MP	I	Emigrant Summit	21	12S	42E	7350
11G15A	I	Horseshoe Basin	31	13S	42E	8000
11G13A	I	Liberty Spring	7	13S	42E	8600
11G9M	I	Strawberry Creek	9	13S	41E	5800
11G10	I	Strawberry Mink Divide	14	13S	41E	6800

CUB RIVER

11G12	I	Cub River Ranger Station	5	15S	41E	5400
11G8S	I	Franklin Basin	1	16S	41E	8000
11G4P	I	Willow Flat	2	15S	41E	6100

MALAD RIVER

12G13	I	Cliff Canyon	13	12S	35E	7200
12G12	I	Daniels Creek	11	12S	35E	6400
12G4	I	Dry Creek Flat	28	13S	37E	6480
12G11	I	Lower Elkhorn	30	12S	36E	7000
12G3	I	Oxford Mountain	27	13S	37E	6800
12G10	I	Upper Elkhorn	25	12S	35E	7100

LEGEND

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SOIL MOISTURE

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

States:

Idaho Department of Water Resources
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Montana Cooperative Snow Surveys
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of
 State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U.S. Army Engineers
U.S. Department of Agriculture
 Forest Service
 Agriculture Research Service
U.S. Department of Commerce
 NOAA, National Weather Service
U.S. Department of the Interior
 Bonneville Power Administration
 Bureau of Reclamation
 Fish and Wildlife Service
 Water Resources Division, Geological Survey
 National Park Service
 Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Blaine Soil Conservation District
Boise Project Board of Control
Idaho Water District #01
Little Wood River Irrigation District
Mann Creek Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control



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with the Snow Survey"*

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